Questions generated by Terry Neale and Leigh Longenecker for the Density article uploaded on 3/27/2014

[CCSS.ELA-LITERACY.RI.7.1](http://www.corestandards.org/ELA-Literacy/RI/7/1/)

Cite several pieces of textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.

[CCSS.ELA-LITERACY.RI.7.4](http://www.corestandards.org/ELA-Literacy/RI/7/4/)

Determine the meaning of words and phrases as they are used in a text, including figurative, connotative, and technical meanings; analyze the impact of a specific word choice on meaning and tone.

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|  | **Analyze and interpret data on the properties of substances before**  **and after the substances interact to determine**  **if a chemical reaction has occurred.**[Clarification Statement:  Examples of reactions could include burning sugar or steel  wool, fat reacting with sodium hydroxide, and mixing zinc with  hydrogen chloride.][*Assessment boundary: Assessment is*  *limited to analysis of the following properties: density, melting point,*  *boiling point, solubility, flammability, and odor.*] |

Text-based questions:

Express the highlighted word as a mathematical formula.

What is heavier, a pound of feathers or a pound of cement?

How does the density of a silver spoon compare to the density of a silver necklace?

What units can be used to express density?

How does the density of earth compare to the density of water?